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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,086	01/11/2006	Francois Biais	4590-475	7310
	7590 07/18/200 CMAN & BERNER, LI	EXAMINER		
1700 DIAGON	AL ROAD, SUITE 300	NGUYEN, HANH N		
ALEXANDRIA	A, VA 22314		ART UNIT	PAPER NUMBER
			2834	
			MAIL DATE	DELIVERY MODE
			07/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	pplication No. Applicant(s)					
Office Action Summary			10/564,086		BIAIS, FRANCOIS			
			Examiner		Art Unit			
			HANH N. NG		2834			
Period fo	The MAILING DATE of this commun or Reply	nication appe	ears on the co	ver sheet with the c	correspondence ac	ddress		
WHIC - Exter after - If NC - Failu Any (ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE IN THE INSTRUCTION OF THE INSTRUC	MAILING DA s of 37 CFR 1.136 munication. tatutory period will y will, by statute, c	TE OF THIS S(a). In no event, Il apply and will excause the applicat	COMMUNICATION however, may a reply be tin pire SIX (6) MONTHS from to become ABANDONE	N. nely filed the mailing date of this o D (35 U.S.C. § 133).			
Status								
1) 又	Responsive to communication(s) file	ed on <i>14 Ani</i>	ril 2008					
· · ·	Responsive to communication(s) filed on <u>14 April 2008</u> . This action is FINAL . 2b) This action is non-final.							
3)		<i>′</i> —			secution as to the	e merits is		
٥,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🛛	☑ Claim(s) <u>8-21</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) 17 is/are allowed.							
	☑ Claim(s) <u>7.7</u> islate anowed. ☑ Claim(s) <u>8,9,14,20 and 21</u> is/are rejected.							
·	Claim(s) <u>10-13, 15, 16, 18 and 19</u> is/a		to.					
	Claim(s) are subject to restri			ıirement.				
Applicati	on Papers							
9)□	The specification is objected to by the	ne Examiner						
•	-			ed or b)□ objected	I to by the Examin	ner		
اکارت.	10)☑ The drawing(s) filed on <u>11 January 2006</u> is/are: a)☑ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
						FR 1 121(d)		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (i mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	4) 5) 6)	=	ate			

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DETAILED ACTION

Remarks

1. In view of amendments and Applicant's arguments, the Examiner withdraws the objections to claim 17. The addition of claims 18-21 has been acknowledged.

Claim Objections

2. Claim 19 is objected to because there is no antecedent basis in claim 8 for "the major core portion". Since "the major core portion" is supported by claim 18, the Examiner believes that claim 19 should be dependent claim of claim 18. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 8, 9, 14, 20 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Watanabe et al (US 3,963,950).

Regarding claim 8, Watanabe et al. disclose a stator of an electric machine comprising: an autonomous cooling circuit (10, 10', 11 and 11' in Figs. 1 and 3), means for sealing (tube 6) the cooling circuit with respect to a rotor of the electric machine, a magnetic circuit comprising slots (slots accommodate windings 2 as shown in Fig. 4), and a winding (2) arranged in the slots, wherein the stator comprises a two part magnetic circuit (as shown in Figs. 1 and 4, the first part of the magnetic circuit is back

iron 1 to form magnetic return path and the second part is the windings 2) whose parts are separated by a fluid tight shell (resin 5 and 13).

Regarding claim 9, Watanabe et al. disclose a stator of an electric machine wherein the shell (5 and 13 in Fig. 2) is of tubular shape and is centered around an axis of revolution of the electric machine.

Regarding claim 14, Watanabe et al. disclose a stator of an electric machine wherein the shell (26) is formed by a coating (covering) of one of the stacks of laminations.

Regarding claim 20, Watanabe et al. disclose a stator wherein the fluid-tight shell (3 and 13) forms part of the cooling circuit sealing means (it is inherent that insulator 5 made of plastic material and resin 5 help to seal cooling flow).

Regarding claim 21, Watanabe et al. disclose a stator wherein the cooling circuit comprises passages through which coolant flows, the passages being disposed within the slots (Fig. 4 shows passage 7 is between the slots).

Allowable Subject Matter

- 4. Claim 17 is allowed.
- 5. Claims 10-13, 15, 16, 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if claims 15 and 18 are rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

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Regarding claim15, the prior art of record does not show a stator of an electric machine as written in claim 9 wherein the magnetic circuit comprises a first stack of laminations produced outside the shell and a second stack of laminations produced inside the shell.

Regarding claim 17, the prior art of record does not show a stator of an electric machine comprising a magnetic circuit comprising slots, a first stack of laminations disposed outside the shell and a second stack of laminations disposed inside the shell.

Regarding claim 18, the prior art of record does not show a stator of an electric machine as written in claim 8 wherein the stator comprises a two part magnetic circuit comprised of a major magnetic core portion disposed outboard of the fluid-tight shell and a smaller minor magnetic core portion disposed inboard of the fluid-tight shell.

Response to Arguments

7. Applicant's arguments filed 4/14/2008 have been fully considered but they are not persuasive. The applicant's argument is on the ground that the reference the Examiner relies on, Watanabe, fails to show layers 5 and 13 are fluid tight because of the absent of explicit disclosure and pipes 6 is a cooling circuit by itself, therefore pipe 6 can not be a seal mean. The Examiner respectfully disagrees with the Applicant because the drawings are used to describe the structure. Layers 5 and 13 are made of liquid proof material such as plastic or resin and the drawing show no intermittent, perforated or unseal at the ends, therefore layers 5 and 13 are indeed fluid tight.

Moreover, it is clear that the cooling circuit of Watanabe is the flow of fluid through the

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stator and tube is the sealing means. For the reasons explained above, the rejection is still deemed proper.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Darren Schuberg, can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1000.

HNN

July 14, 2008

/Nguyen N Hanh/

Examiner, Art Unit 2834